

Converting Colors

$Yxy(65.8193, 0.2174, 0.2559)$

Have a look what the booklet for
Yxy(65.8193, 0.2174, 0.2559)
contains.

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Color

Yxy(63.1840, 0.2295, 0.2909)

Conversions

Conversions Part 1

Format	Color
Hex	63E0FF
RGB	99, 224, 255
RGB Percent	39%, 88%, 100%
CMY	0.6119, 0.1215, 0.0000
CMYK	0.61, 0.12, 0.00, 0.00
HSL	192°, 100%, 69%
HSV	192°, 61%, 100%
XYZ	49.8478, 63.1840, 104.1700
YIQ	190.1590, -84.4510, -16.8590

Conversions

Conversions Part 2

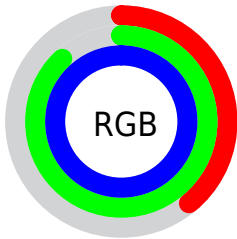
Format	Color
R _Y B	99, 168, 255
Decimal	6545663
CIE Lab	83.54, -25.83, -25.45
CIE LCh	84, 36.264, 224.578
Yxy	63.1840, 0.2295, 0.2909
Android (android.graphics.Color)	4284735743 (0xFF63E0FF)
YUV	190.1590, 31.9666, -79.9464
Hunter-Lab	79.4884, -27.1658, -22.0580

Details

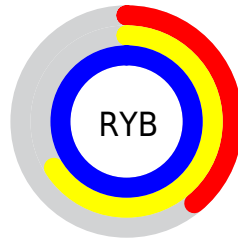
The Yxy color **63.1840, 0.2295, 0.2909** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **38.1150, 0.4854, 0.3595**, and the grayscale version is **51.4355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **32.4532, 0.2116, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **59.2882, 0.2208, 0.2836**, and if you desaturate by 10%, it is **67.6188, 0.2401, 0.2980**.

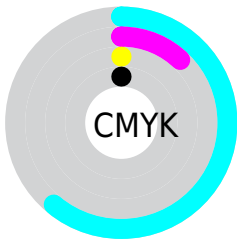
Distribution



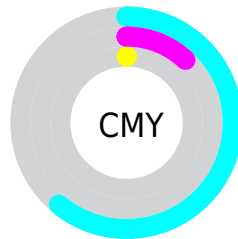
- Red (39%)
- Green (88%)
- Blue (100%)



- Red (39%)
- Yellow (66%)
- Blue (100%)



- Cyan (61%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1840, 0.2295, 0.2909 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 63.1840, 0.2295, 0.2909 by changing the saturation by 10% instead.

 63.1840, 0.2295,
0.2909


 63.1840, 0.2295,
0.2909


436.2370, 0.2675,
0.3099


 45.9901, 0.2210,
0.2863


 109.4349, 0.2425,
0.2977

 32.2380, 0.2107,
0.2804


 139.2607, 0.2476,
0.3003

 21.5433, 0.1979,
0.2728


 174.0659, 0.2521,
0.3025

 13.5217, 0.1816,
0.2626

214.2349, 0.2559,
0.3044

 7.7888, 0.1603,
0.2483

260.1521, 0.2593,
0.3061

 3.9601, 0.1319,
0.2272

312.2020, 0.2624,

 1.6513, 0.0933,

0.3075

0.1940

370.7688, 0.2651,
0.3088

0.3918, 0.0000,
0.1222

0.0000, 0.0000,
0.0000

63.1840, 0.2295,
0.2909

63.1840, 0.2295,
0.2909

59.2882, 0.2208,
0.2836

67.6188, 0.2401,
0.2980

55.8792, 0.2140,
0.2763

72.6247, 0.2523,
0.3049

52.9055, 0.2092,
0.2690

78.2394, 0.2658,
0.3115

50.5717, 0.2063,
0.2626

84.4948, 0.2803,
0.3176

■ 91.4206, 0.2954,
0.3233

■ 99.0443, 0.3109,
0.3284

■ 99.9996, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.1840, 0.2446, 0.3325



63.1840, 0.2295, 0.2909



63.1840, 0.2345, 0.2641

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.1840, 0.2295, 0.2909



63.1840, 0.3450, 0.2869



63.1840, 0.3653, 0.4100

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63.1840, 0.2295, 0.2909



38.1150, 0.4854, 0.3595

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.1840, 0.3960, 0.3897



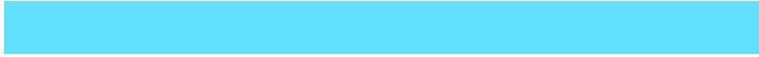
63.1840, 0.2295, 0.2909



63.1840, 0.3848, 0.3197

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.1840, 0.2295, 0.2909



63.1840, 0.2983, 0.2640



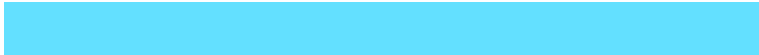
63.1840, 0.4038, 0.3565



63.1840, 0.3218, 0.4067

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.1840, 0.2295, 0.2909



63.1840, 0.2486, 0.2563



63.1840, 0.4038, 0.3565



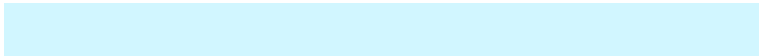
63.1840, 0.3775, 0.4054

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



63.1863, 0.2295, 0.2909



86.6308, 0.2850, 0.3195



75.7150, 0.2926, 0.4948



18.1251, 0.2807, 0.3178



0.0000, 0.0000, 0.0000



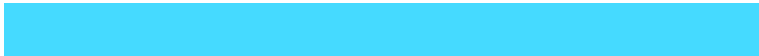
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.1863, 0.2295, 0.2909



58.6374, 0.2194, 0.2823



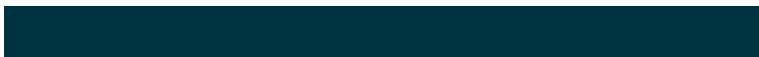
31.1711, 0.2065, 0.1902



19.8323, 0.2980, 0.3242



26.6422, 0.2066, 0.2638



2.7427, 0.2089, 0.2721

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.5605, 0.3500, 0.2104



30.5613, 0.3594, 0.1961



66.1042, 0.4288, 0.4330



18.2349, 0.3169, 0.3102



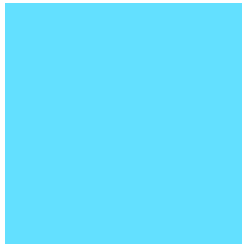
13.4175, 0.3787, 0.1860



1.3214, 0.3709, 0.1817

Previews

White Background



This preview shows how the Yxy color 63.1840, 0.2295, 0.2909 looks on a white background.

Color Contrast Check

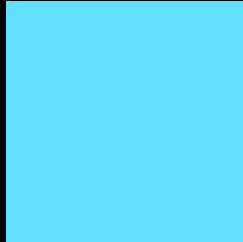
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 63.1840, 0.2295, 0.2909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

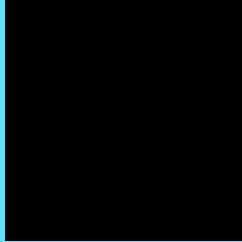
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.1840, 0.2295, 0.2909

Background



This preview shows how black text looks on a background with the Yxy color 63.1840, 0.2295, 0.2909.



This preview shows how white text looks on a background with the Yxy color 63.1840, 0.2295, 0.2909.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

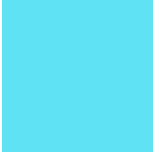
63.1840, 0.2295, 0.2909

Protanopia

62.3528, 0.2845, 0.2876

Deuteranopia

62.2112, 0.2764, 0.2720



Tritanopia

63.3040, 0.2329, 0.3062

Trichromacy



Original Color

63.1840, 0.2295, 0.2909



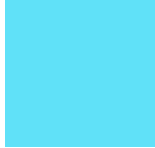
Protanomaly

61.5889, 0.2591, 0.2878



Deuteranomaly

61.5951, 0.2548, 0.2780



Tritanomaly

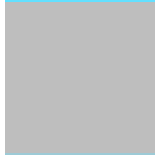
63.1145, 0.2316, 0.3002

Monochromacy



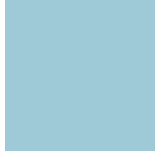
Original Color

63.1840, 0.2295, 0.2909



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.2642, 0.2726, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1840, 0.2295, 0.2909 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(99, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 224, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(99, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.1840, 0.2295, 0.2909 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 224, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(99, 224, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(99, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1840, 0.2295, 0.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 224, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(99, 224,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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